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CD NO.

DATE DISTR. 18 March 1949

NO. OF PAGES 2

SUPPLEMENT TO
REPORT NO.

25X1

THIS IS UNEVALUATED INFORMATION

1. The following three phase motor projects are to be developed in 1949:

- a. Two pole (3000 RPM).
- b. Flange type.
- c. Marine type.
- d. Textile machinery motors.
- e. Brake motors for cranes, machine tools, etc.

- a. Tools for working aluminum for motors size 3 & 5 (0.6, 1.0, 5.0, 7.5 KW).
Tools for flange making.
- b. Technological apparatus for the mass production of three phase motors.
Supply of five 150 ton automatic power presses for motor sheet metal.
Design of conveyor belt system.
- c. Tools for 1000 and 3000 ampere traction and control marine switches for submarines. No priority has been given to these.
- d. Development and delivery of six 100 ampere marine fuses with screw plugs.
- e. Development of and tools for miniature 15 ampere domestic automatic fuses.
- f. Development of and tools for ten 100 ampere built-up rotary switches.
- g. Development of and tools for a series of miniature DC and AC motors (six 600 watt). The specifications proposed by KTB 20 are now being examined for possible uses by the Navy and Air Force.
- h. Development of a synchronized protection device for welding machines.
- i. Tools for the Xems Automat 600 and 50 ampere.
- j. Motor protection switch of 25 amperes with a bi-metallic heat relay.

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CENTRAL INTELLIGENCE AGENCY

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Production of 2-2½ KW Motors in the USSR

3. Major Frishman, a Russian member of the KTB 20 staff, has received a letter from a Russian named Bovareg or Bovereg who wrote that his factory in Stalin had already made 100 electric motors of the design developed by KTB 20. These motors are of medium size (2-2½ KW). The plans were sent to the USSR last year, but have been returned from Moscow for modification. The modifications are purely structural; the casing end-plates are now to be cast in one piece instead of four. This will make it more robust, but will necessitate a core for the casing, a complication which the Germans consider will outweigh the advantages gained. The modified plans are to be submitted by the end of January 1949, though they will probably not be ready until the middle of February.
4. These 2½ KW motors which were developed by KTB 20 are normal, medium size, industrial motors with speed of 1420 RPM and a shaft which is 35 mm in diameter. The other sizes are similar.

Development of three phase Electrical Motor

5. A Russian (known to the Germans as "Neptune") connected with the Navy, has asked the Bureau to develop a three phase electrical motor which will still be in working order after it has been immersed in salt water for ten hours, then washed, and allowed to dry for two hours. Comment: The Germans regard this task as fantastic.)

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6. Staff of KTB 201 January 194830 June 1948

Specialists.	54	47
Semi-skilled.	103	92
Administration.	30	34
Servicing.	23	22
Unskilled.	238	236
TOTAL	<u>448</u>	<u>431</u>

7. Financial Particulars

- a. Reparations orders with delivery dates in 1948 amount to 683,500 DM. Those with delivery dates in 1949 amount to 497,400 DM. Actual deliveries in 1948 amounted to 690,000 DM.
- b. Expenditure in 1948 totalled 3,138,400 DM. The budget for 1949 is 4,000,000 DM.
- c. Only 20-30 percent of the supplies required were allocated by the Berlin HQ (BEM). The remainder had to be bought on the open market, or obtained through the Land Government.

Production of Stuttgart 3 sets at the Sachsenwerk, Radeberg.

8. During December 1948 fifty Stuttgart 3 sets were to have been delivered from Radeberg. Ten sets were actually delivered. Their destinations are not yet known.

Planned Production of Switches

9. The planned production of switches at Radeberg for 1949 and 1950 is as follows:

	<u>1949</u>	<u>1950</u>
75 ampere	60,000 (10,000 in first quarter)	90,000
150 ampere	6,000	10,000
300 ampere	3,000	6,000

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